

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims**

1-12. (Canceled)

13. **(Previously Presented)** A method for diagnosing a gluten sensitive enteropathic autoimmune disease, comprising

(a) taking a sample from a patient;

(b) testing the sample for IgA antibodies against human tissue transglutaminase;

(c) testing the sample for IgA antibodies against ~~and~~ at least one other transglutaminase molecule selected from the group consisting of a-subunit of factor XIII (FXIIIa), keratinocyte transglutaminase (TGk), transglutaminase X (TGx), epidermal transglutaminase (TGe) and Band 4.2; and

(d)-(b) correlating significantly increased amounts of the IgA antibodies specific for human tissue transglutaminase and/or IgA antibodies specific for at least one other transglutaminase molecule selected from the group consisting of a-subunit of factor XIII (FXIIIa), keratinocyte transglutaminase (TGk), transglutaminase X (TGx), epidermal transglutaminase (TGe) and Band 4.2, as compared to a control sample, with a diagnosis of a gluten sensitive enteropathic autoimmune disease, thereby diagnosing a gluten sensitive enteropathic autoimmune disease.

14. **(Previously Presented)** The method of claim 13, wherein the autoimmune disease is dermatitis herpetiformis, or morbus Duhring.

15. **(Withdrawn)** The method of claim 13, wherein the autoimmune disease is selected from a group consisting of the following: AI haemolytic anaemia, AI thrombocytopenic purpura, AI thyroid diseases, and atrophic gastritis – pernicious anaemia.

16. **(Withdrawn)** The method of claim 13, wherein the autoimmune disease is associated with infertility or increased risk of abortions or reduced fetal growth.

17-25. **(Canceled)**

26. **(Withdrawn)** The method of claim 13, wherein the autoimmune disease is selected from a group consisting of the following: Crohn's disease, colitis ulcerosa, Goodpasture syndrome, and IgA nephropathy or IgA glomerulonephritis.

27. **(Withdrawn)** The method of claim 13, wherein the autoimmune disease is selected from a group consisting of the following: myasthenia gravis, partial lipodystrophy, polymyositis, and primary biliary cirrhosis.

28. **(Withdrawn)** The method of claim 13, wherein the autoimmune disease is selected from a group consisting of the following: primary sclerosing cholangitis, progressive systemic sclerosis, recurrent pericarditis, and relapsing polychondritis.

29. **(Withdrawn)** The method of claim 13, wherein the autoimmune disease is selected from a group consisting of the following: rheumatoid arthritis, rheumatism, sarcoidosis, and Sjögren's syndrome.

30. **(Withdrawn)** The method of claim 13, wherein the autoimmune disease is selected from a group consisting of the following: SLE, splenic atrophy, type I (insulin-dependent) diabetes mellitus, and diabetes mellitus of other types.

31. **(Withdrawn)** The method of claim 13, wherein the autoimmune disease is selected from a group consisting of the following: Wegener granulomatosis, ulcerative colitis, vasculitis (both systemic and cutaneous), and vitiligo.

32. **(Canceled)**